Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.   (currently amended)   An apparatus for translating and recomposing text from news print publication electronic files to a form displayable on the World Wide Web, comprising:

a server computer system, comprising one or more interconnected computer processors each with its own memory and secondary storage, for storing, converting, organizing and displaying news information on the World Wide Web, including means for receiving a plurality of news print publication electronic files comprising news story text data and news story image data;

an editorial database for storing information extracted from the news print publication electronic files,

a news story filter program for ~~periodic~~ extraction of text information from the news print publication electronic files, converting the text information into a database format, and storing the text information in the editorial database <u>as</u> <u>filtered news stories</u>, [[and]]

a news story publishing program for extracting ~~text information~~ <u>the filtered</u> <u>news stories</u> from the editorial database, converting the ~~text information~~ <u>filtered</u> <u>news stories</u> into ~~a form suitable for display on the World Wide Web~~ <u>Web pages</u>,

and storing the ~~text information~~ <u>Web pages</u> in a set of newspaper story text files

capable of display at a news Website on the World Wide Web<u>, and</u>

<u>a news story archive program for extracting text information from certain</u>

<u>ones of the Web pages according to a predetermined selection criteria,</u>

<u>converting the text information into an archive format, and storing the converted</u>

<u>text information in an electronic news archive</u>.

2.   (previously amended)The apparatus of claim 1 further comprising:

a plurality of templates for organizing the display of the newspaper story text

files on the World Wide Web,

a set of news Web pages capable of display on the World Wide Web.

3.   (previously amended)An apparatus for translating and recomposing

electronic news text from news print publication electronic files to a form

displayable on the World Wide Web, comprising:

a server computer system, comprising one or more interconnected

computer processors each with its own memory and secondary storage, for

storing, converting, organizing and displaying news information on the World

Wide Web,

an editorial database for storing information extracted from the news print

publication electronic files,

a news story filter program for extracting text information from the news print

publication electronic files while preserving some tags in the news print

publication electronic files, converting the text information and preserved tags into a database format, and storing the text information and preserved tags in the editorial database, and

a news story publishing program for extracting text information from the editorial database, converting the text information into a form suitable for display on the World Wide Web, and storing the text information in a set of news text files capable of display at a news Website on the World Wide Web.

4.   (previously amended) The apparatus of claim 1 wherein the news print publication electronic files comprises one or more data files selected from the group consisting of:

a set of newspaper story text electronic data files each containing one or more news stories,

a set of classified advertisement electronic data files each containing one or more classified advertisements, and

a set of death notice electronic data files each containing one or more notices of deaths.

5.   (original) The apparatus of claim 1 further comprising an electronic news subscriber database for storing electronic mail addresses and information preferences of electronic news subscribers.

6.   (previously amended)The apparatus of claim 1 further comprising a news image conversion program for extracting image information from the news print publication electronic files, converting the image information into files in a common image format, and storing the converted image information as image files in an electronic news image library.

7.   (original) The apparatus of claim 1 further comprising:

a classified advertisement database for containing classified advertisement information,

a classified notices program for editing text classified advertisement information and storing the edited classified advertisement information in the classified advertisement database, and

a classified notices maintenance program for updating edited classified advertisement information stored in the classified advertisement database.

8.   (original) The apparatus of claim 1 further comprising:

a death notices database for containing death notice information, and

a death notices program for editing text death notice information and storing the edited death notice information in the death notices database.

9.   (original) The apparatus of claim 1 further comprising:

a classified advertisement and death notices database for containing classified advertisement information,

a classified notices program for editing text classified advertisement

information and storing the edited classified advertisement information in the

classified advertisement and death notices database,

a classified notices maintenance program for updating edited classified

advertisement information stored in the classified advertisement and death

notices database,

a death notices program for editing text death notice information and storing

the edited death notice information in the classified advertisement and death

notices database.

10. (previously amended) The apparatus of claim 1 further comprising:

an editorial maintenance program for proofreading and editing the contents

of the editorial database, associating some news stories in the editorial database

with image files in the electronic news image library, and initiating the news story

publishing program.

11. (canceled)

12. (original) The apparatus of claim 2 wherein each template contains a

plurality of lists of links to other news stories and news Web pages.

13. (original) The apparatus of claim 12 wherein a list of links contains a link to

each section of the news.

14.   (original) The apparatus of claim 12 wherein a list of links contains a link to each topic of the news in a single section of the news.

15.   (original) The apparatus of claim 2 wherein the templates comprise one or more templates selected from the group consisting of:

a main Web page template for presenting a plurality of top news stories,

a section Web page template for presenting a plurality of top news stories of one section of the news,

a topic Web page template for presenting a plurality of top news stories in one topic of the news, and

a story Web page template for presenting a single news story.

16.   (original) The apparatus of claim 2 wherein the templates comprise one or more templates selected from the group consisting of:

a baseball box score Web page template for presenting a plurality of baseball box scores,

a baseball leaders Web page template for presenting a plurality of top news stories of one section of the news,

a baseball standings Web page template for presenting the relative team standings of a plurality of baseball leagues,

a football box score Web page template for presenting a plurality of football box scores, and

a football standings Web page template for presenting the relative team standings of a plurality of football leagues.

17. (original) The apparatus of claim 2 wherein the templates comprise one or more templates selected from the group consisting of:

a bridal Web page template for presenting a plurality of wedding announcements and related information,

an entertainment Web page template for presenting a plurality of entertainment event announcements and entertainment sources,

a movie reviews Web page template for presenting a plurality of reviews of movies,

a cartoon Web page template for presenting a plurality of cartoons, and

a travel Web page template for presenting a plurality of travel related stories and related information.

18. (currently amended) The apparatus of claim 2 wherein the templates comprise an archival Web page template for presenting an entry allowing a reader to search the ~~news story archive~~ electronic news archive.

19. (original) The apparatus of claim 1 wherein the editorial database comprises a relational editorial database supported by a relational database management system.

20. (original) The relational editorial database of claim 19 wherein said relational database comprises:

one or more tables of news story texts and news story classifications,

one or more tables of news topic information and news topic classifications,

one or more tables of news section information and news section classifications,

one or more tables of geographic classification information,

one or more tables of news story source information,

one or more tables of news story linkage information, and

one or more tables of news image caption information.

21. (original) The editorial maintenance program of claim 10 further comprising a set of maintenance subprograms for updating information stored in a plurality of tables in the editorial database.

22. (original) The electronic news archive of ~~claim 11~~ claim 1 wherein the electronic news archive comprises a relational database.

23. (original) The electronic news archive of ~~claim 11~~ claim 1 wherein the electronic news archive comprises a set of electronic files related to each other by their names, their content, or a separate directory means of association.

24. (canceled)

25.   (original) The set of newspaper story text data files of claim 1 wherein each text data file comprises:

a news story,

formatting information defining the appearance of said news story for readers, and

descriptive information defining the content of said news story.

26.   (previously amended) The newspaper story text data file of claim 25 wherein the formatting information is stored in the form of codes of one or more text markup languages.

27.   (previously amended) The newspaper story text data file of claim 26 wherein the markup language used is HTML.

28.   (previously amended) The newspaper story text data file of claim 25 wherein the descriptive information is stored in the form of codes of one or more text markup languages.

29.   (previously amended) The newspaper story text data file of claim 28 wherein the markup language used is HTML.

30. (previously amended)The newspaper story text data file of claim 25 wherein the descriptive information is stored in the form of keywords in the text of the news story.

31. (original) The apparatus of claim 2 wherein a plurality of the set of news Web pages comprise text files.

32. (original) The text files of claim 31 wherein a plurality of the text files contain information which may be updated at the time the file is accessed for display.

33. (previously amended)The apparatus of claim 6 further comprising:

a plurality of templates for organizing the display of the newspaper story text files on the World Wide Web,

a set of news Web pages capable of display on the World Wide Web, and wherein a plurality of the set of news Web pages comprise image files.

34. (original) The apparatus of claim 1 wherein the server computer system comprises:

a conversion computer subsystem with its own main memory and secondary storage, for reorganizing the newspaper text data files into news Web pages, and

a Web server computer system with its own main memory and secondary

storage, for retrieving, updating and displaying the news Web pages for a reader.

35. (original) The classified advertisement database of claim 7 wherein the

classified advertisement database comprises a relational classified

advertisement database supported by a relational database management

system.

36. (original) The relational classified advertisement database of claim 35

wherein said relational database comprises:

   one or more tables of classified advertisement information,

   one or more tables of help wanted information, and

   one or more tables of help wanted keyword information.

37. (original) The death notices database of claim 8 wherein the death notices

database comprises a relational death notices database supported by a relational

database management system.

38. (previously amended) The relational death notices database of claim 37

wherein said relational death notices database comprises one or more tables of

death notice information.

39. (original) The apparatus of claim 9 wherein the classified advertisement database and the death notices database together comprise a relational classified and death notices database supported by a relational database management system.

40. (previously amended) The relational classified and death notices database of claim 39 wherein said relational classified and death notices database comprises:

    one or more tables of classified advertisement information,

    one or more tables of help wanted information,

    one or more tables of help wanted keyword information, and

    one or more tables of death notice information.

41. (original) The electronic news subscriber database of claim 5 wherein the electronic news subscriber database comprises a relational database.

42. (previously amended) The electronic news subscriber database of claim 41 wherein said relational database comprises one or more tables of subscriber information.

43. (original) The electronic news subscriber database of claim 5 wherein the electronic news subscriber database comprises a set of electronic files related to

each other by their names, their content, or a separate directory means of association.

44. (previously amended) The set of templates of claim 34 wherein each template includes embedded program code executable only by the Web server computer system.

45. (original) The set of templates of claim 2 wherein each template includes embedded directives for substitution of template content with the contents of other electronic files.

46. (previously amended) The filter program of claim 1 further comprising:

a first filter subprogram to determine a story's topic classification based on combinations of multiple data elements in a story,

a second filter subprogram to determine a story's topic classification by using the story's kicker to determine a topic associated with the kicker in the editorial database,

a third filter subprogram to determine a story's topic classification by using the story's town to determine a topic associated with the town in the editorial database, and

a fourth filter subprogram to determine a story's topic classification by using a weighted count of keywords found in a story to select the topic associated in the editorial database with the most heavily weighted keyword.

47.   (original) The filter program of claim 1 further comprising a subprogram to initiate execution of the publish program.

48.   (previously amended) The publishing program of claim 6 further comprising:

a story Web page creation subprogram to embed news story text and images in a story Web page template,

a main Web page creation subprogram to embed multiple news story texts and images in a main Web page template,

a section Web page template subprogram to embed multiple news story texts and images in a section Web page template, and

a topic Web page template subprogram to embed multiple news story texts in a topic Web page template.

49.   (currently amended) The editorial maintenance program of claim 10 further comprising:

a stray stories maintenance Web page for enabling a proofreader to place a story on the ~~website~~ Website by updating the story's section ID and topic ID combination in the editorial database,

a story finding maintenance Web page for displaying for a proofreader a list of all the headlines for a given day, thereby enabling the proofreader to create a link to a specific story in the editorial database,

a story editing maintenance Web page for enabling a proofreader to update all information for a story in the editorial database,

a headline maintenance Web page for enabling a proofreader to add a headline to a story, or change a story's headline, in the editorial database,

a story ordering maintenance Web page for enabling a proofreader to place the stories on the section Web pages in order of importance,

a published status maintenance Web page for enabling a proofreader to change the published status of stories in the editorial database to permit their republication on the news Website,

a story search Web page for enabling a proofreader to search for stories in the editorial database,

a program starting maintenance Web page for enabling a proofreader to start execution of the news story publish program, and

a picture linkage maintenance Web page for enabling a proofreader to associate one or more images in the photo and graphic image library with a specific story in the editorial database.

50.   (original) The editorial maintenance program of claim 10 further comprising:

an author editing maintenance Web page for enabling a proofreader to correct author information specified in the editorial database for a story,

a press editing maintenance Web page for enabling a proofreader to correct press information specified in the editorial database for a story,

a town topic maintenance Web page for enabling a proofreader to update the topic ID for a town in the editorial database,

a keyword maintenance Web page for enabling a proofreader to update a story's assigned topic in the editorial database,

a kicker assignment maintenance Web page for enabling a proofreader to assign a kicker to the correct topic in the editorial database,

a topic finding maintenance Web page for enabling a proofreader to assign or reassign kickers in the editorial database,

a kicker topic maintenance Web page for enabling a proofreader to add, change or eliminate the topic ID assigned to a kicker in the editorial database,

a story appending maintenance Web page for enabling a proofreader to append a story to the end of another story in the editorial database, and

a story replication maintenance Web page for enabling a proofreader to create multiple copies of a story in the editorial database.

51. (previously amended) A method for automatically translating and recomposing news text and images from news print publication electronic files to a form displayable on the World Wide Web, comprising the steps of:

extracting raw story text and classification information and at least one tag in the raw story text from the news print publication electronic files,

converting the raw story text and classification information and the at least one tag in the raw story text from the news print publication electronic files into an editorial database format,

storing the converted raw story text and classification information together

with the at least one tag in the raw story text as converted story text files in an

editorial database ,

extracting image information from the news print publication electronic files,

converting the image information into a common image format,

storing the converted image information as image files in a news image

library,

extracting the converted story text files from the editorial database and the

image files from the news image library,

organizing and storing the extracted story information and image files on a

news Website in a set of news Web pages suitable for display and reading on the

World Wide Web, and

displaying the set of news Web pages to a Web user.

52.   (previously amended) The method of claim 51 further comprising the step of

extracting text formatting information from the news print publication electronic

files.

53.   (previously amended) The method of claim 51 wherein the step of extracting

raw story and classification information and at least one tag in the raw story text

from the news print publication electronic files comprises the steps of:

a) first attempting to determine a story's topic classification based on

combinations of multiple data elements in a story,

b) if step a) is unsuccessful, attempting to determine a story's topic

classification by using the story's kicker to determine a topic associated with the

kicker in the editorial database,

c) if step b) is unsuccessful, attempting to determine a story's topic

classification by using the story's town to determine a topic associated with the

town in the editorial database, and

d) if step c) is unsuccessful, attempting to determine a story's topic

classification by using a weighted count of keywords found in the story to select

the topic associated in the editorial database with the most heavily weighted

keyword.

54.   (previously amended) The method of claim 51 further comprising the step of

proofreading the set of news Web pages to change their appearance and

organization.

55.   (previously amended) The method of claim 54 wherein proofreading

comprises the steps of:

adding, changing or deleting records in the editorial database,

reorganizing records in the editorial database, and

associating the converted story text files with the image files in the news

image library.

56. (currently amended) The method of claim 54 wherein proofreading

comprises the steps of:

extracting, converting and storing story text information,

providing means for a proofreader to initiate a process for editorial database

retrieval, conversion and formatting of the converted story text files and the

image files [[i]] for display on the World Wide Web, and

providing means for a proofreader to direct the converted raw story text files

and the image files [[i]] that have been retrieved, converted and formatted for

display on the World Wide Web either to a test news Website or a public news

Website.

57. (previously amended) The method of claim 51 wherein the step of

organizing and storing the extracted story information and image files on a news

Website in a set of news Web pages suitable for display and reading on the

World Wide Web includes the steps of:

retrieving Web page template files defining the form and interconnections of

news Web pages, and

executing Web page template commands to replace template directives with

specific data from the converted story text files retrieved from the editorial

database.

58. (previously amended) The method of claim 51 wherein the step of

organizing and storing the extracted story information and image files on a news

Website in a set of news Web pages suitable for display and reading on the

World Wide Web includes the step of executing program code in the set of news

Web pages to store current server information in the set of news Web pages.

59. (currently amended) The method of claim 51 further comprising the step of

archiving text information from selected news Web pages the news print

publication electronic files.

60. (currently amended) The method of claim 59 wherein the step of archiving

selected news Web pages text information from the news print publication

electronic files comprises the steps of:

extracting text information from the selected news Web pages news print

publication electronic files,

converting the text information into an archive format,

storing the text information in an electronic news archive, and

marking as archived all converted story text files from which the archived

news Web pages were derived removing archived text information from the

editorial database.

61. (previously amended) The method of claim 51, further comprising the step of

selecting and sending the set of news Web pages to news subscribers via

electronic mail.

62. (previously amended) The method of claim 61 wherein the step of selecting and sending the set of news Web pages to news subscribers via electronic mail comprises the steps of:

providing a means for a plurality of subscribers to request electronic mail presentation of news information,

providing a means for a subscriber to specify a plurality of selection criteria for news topics for electronic mail presentation,

extracting news information from the set of news Web pages according to subscriber selection criteria,

preparing an electronic mail message for each subscriber requesting electronic mail presentation of news information, and

transmitting the electronic mail messages to all subscribers requesting electronic mail presentation of news information.

63. (original) The method of claim 51, further comprising the step of delivering the set of news Web pages on a daily basis to the World Wide Web for presentation to Web users.

64. (original) The method of claim 51, further comprising the step of delivering the set of news Web pages to the World Wide Web for presentation to Web users on the basis of changes in news information.

65. (previously presented)   The method of claim 51 wherein the step of extracting raw story and classification information and at least one tag in the raw story text from the news print publication electronic files includes determining a topic of a story being extracted by:

a)   comparing keywords in the story being extracted to the keywords of at least two of the stories in the editorial database;

b)   calculating a value based on each comparison; and

b)   assigning as the topic to the story being extracted the topic of the story in the editorial database associated with the highest value calculated.

66. (previously presented)   The method of claim 65 wherein the step of calculating a value includes assigning a weight for each keyword.

67. (currently amended)   The apparatus of claim 1 wherein the filter program extracts text information <u>periodically</u> <s>every hour</s>.

68. (new)   The apparatus of claim 1 wherein the Web pages to be archived are selected on the basis of the filtered news story's latest display date.

69. (new)   The apparatus of claim 1 wherein the selected Web pages are replaced with Web page redirect instructions.

70. (new)   The apparatus of claim 2 wherein the templates comprise an

archival page template to allow a reader to be redirected to an outside source for

Web pages which have been archived.